

	8	7	6	5	4	3	2	1
	ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION				
	1	X	D4464-041	FUEL TANK ASSEMBLY				
	2	2	D3997-5	PLACARD "AUX FUEL DRAIN"				
	3	1	D3997-11	PLACARD "LOADING"				
	4	1	D3997-17	PLACARD "STOWAGE"				
	5	1	D3997-29	PLACARD "WARNING"				
	6	1	D3997-43	PLACARD "EARTH"				
	7	1	D3999-7	CORNER				
	8	1	D3999-9	ANGLE				
	9	1	D3999-11	EARTH TAB				
	10	1	D4000-1	FUEL SUPPLY FITTING				
	11	1	D4000-5	FUEL TANK VENT FITTING				
	12	3	D4000-9	GROMMET				
	13	1	D4000-045	FUEL PICK UP AND STRAINER ASSEMBLY				
	14	1	D4008-11	TANK HINGE HALF				
	15	1	D4008-041	FUEL FILLER SPLASH GUARD ASSEMBLY				
	16	1	D4023-3	FUEL CAP				
	17	1	D4025-5	FUEL SENDER				
	18	3	D4057-1	RETAINING RING				
	19	1	D4062-041	TANK SUPPORT ASSEMBLY				
	20	4	D4124-1	TAB				
	21	1	D4125-1	FWD SEDIMENT BOWL				
	22	1	D4125-3	AFT SEDIMENT BOWL				
	23	1	D4404-3	CUSHION, SIDE				
	24	4	D4404-5	CUSHION, FWD				
	25	1	D4462-1	BAFFLE				
	26	1	D4462-3	BAFFLE				
	27	1	D4463-041	TOP TANK ASSEMBLY				
	28	1	D4463-3	TANK AFT END				
	29	1	D4463-5	TANK UPPER CUT OUT				
	30	1	D4463-7	TANK FORWARD END				
	31	1	D4463-9	TANK BACK				
	32	1	D4463-11	TANK FRONT				
	33	1	D4463-13	TANK BOTTOM				
	34	1	D4577-041	FWD ACCESS PANEL ASSEMBLY				
	35	1	D4577-1	REAR ACCESS PANEL				
	36	1	D4577-3	MIDDLE ACCESS PANEL				
	37	24	AN3-4A	BOLT				
	38	5	AN3H5A	BOLT				
	39	4	MS21042L3	NUT				
	40	4	MS35207-266	SCREW				
	41	37	NAS1149D0363J	WASHER				

UNDER REVIEW
13.10.11 MKR
CHANGING BATTLE DESIGN
RELEASED
2012-05-09
MP

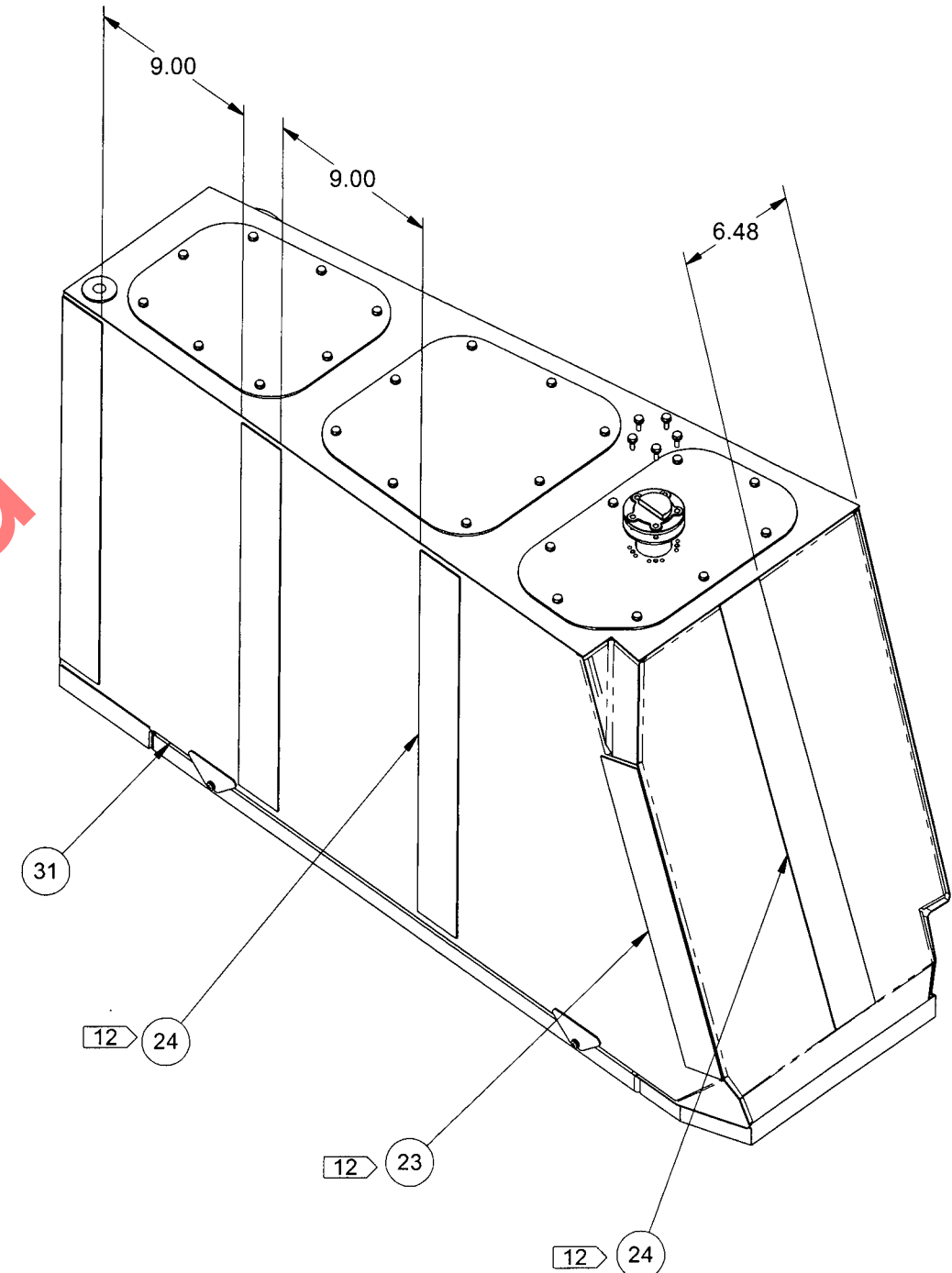
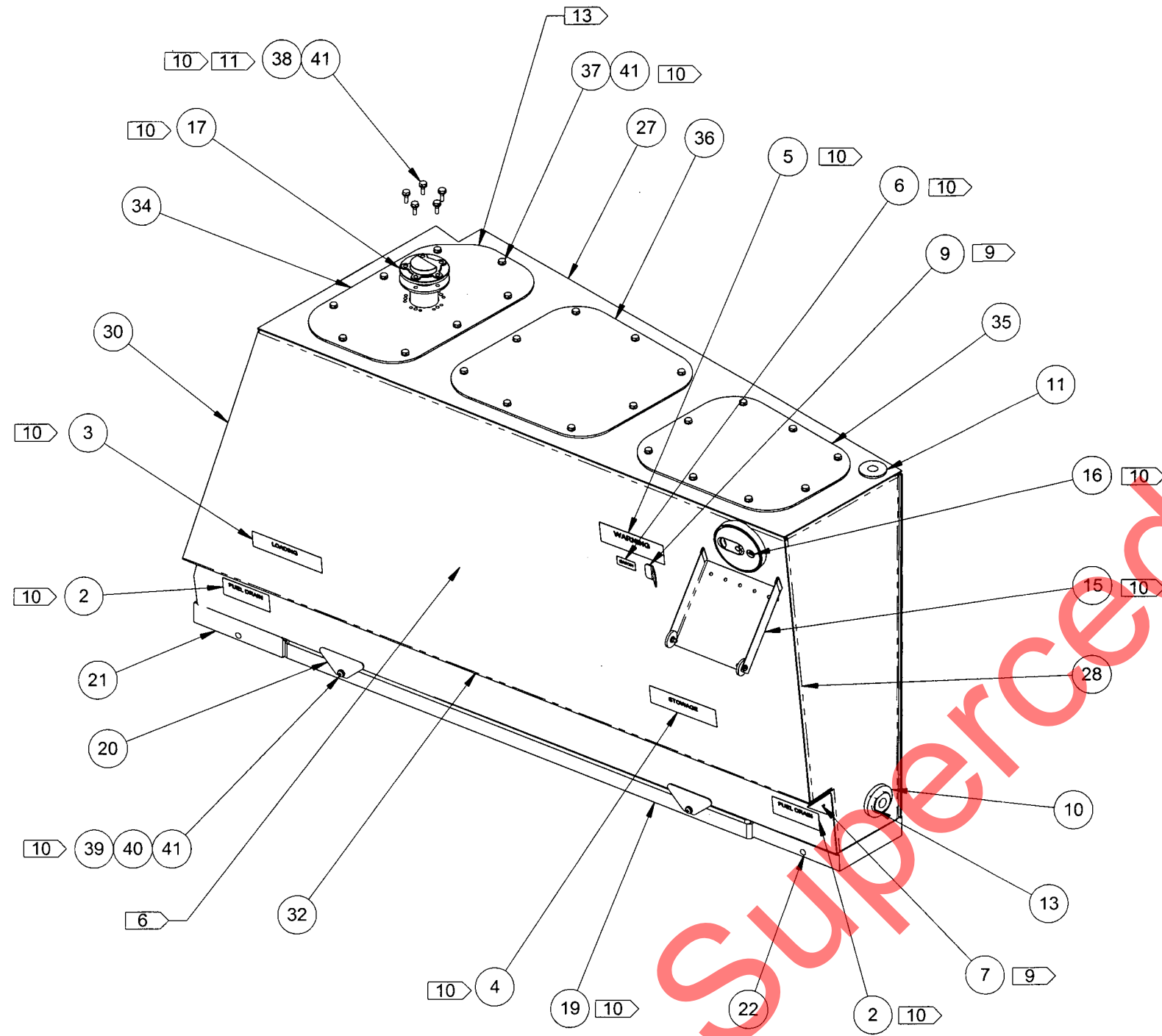
D	ADDED NOTE RE HAND FORMING D4124-1, ZN A8-4.	DC	12.05.02
C	UPDATED -041 WITH RE-DESIGNED D4463-11/-13 REV. C PARTS, ZN B6-2. UPDATED -041 WITH RE-DESIGNED D4577-041/-3/-5 PARTS, ZN C6-2.	DC	12.03.27
B	UPDATED -041 WITH RE-DESIGNED PARTS. REMOVED D4463-13. ADDED D4577-041/-1/-5 ACCESS PANELS, ZN C6-2.	DC	11.12.14
A	NEW ISSUE. REF PAR11-117 & CAR 11-54.	DC	11.10.19
REV.	DESCRIPTION	BY	DATE
DESIGN	DC	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DC		
CHECKED	DC	DRAWING NO.	REV. D
MFG. APPR.	DC	D4464	SHEET 1 OF 5
APPROVED	MP	TITLE	SCALE
DE APPR.	MP	TANK ASSEMBLY	NTS
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D

C

B

A

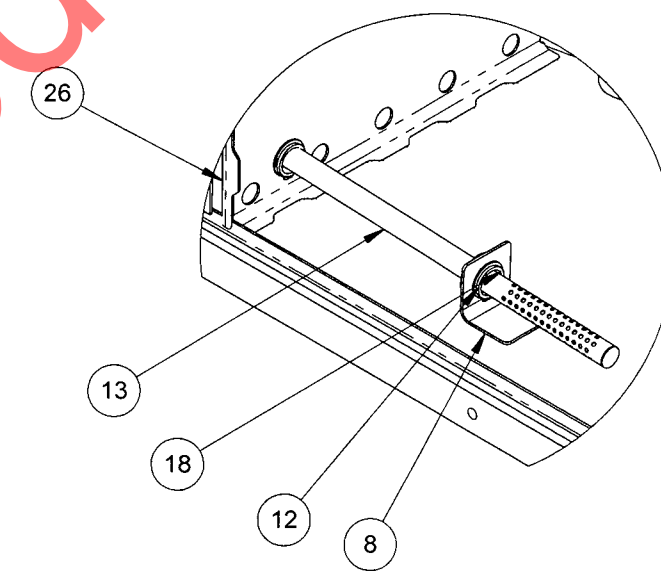
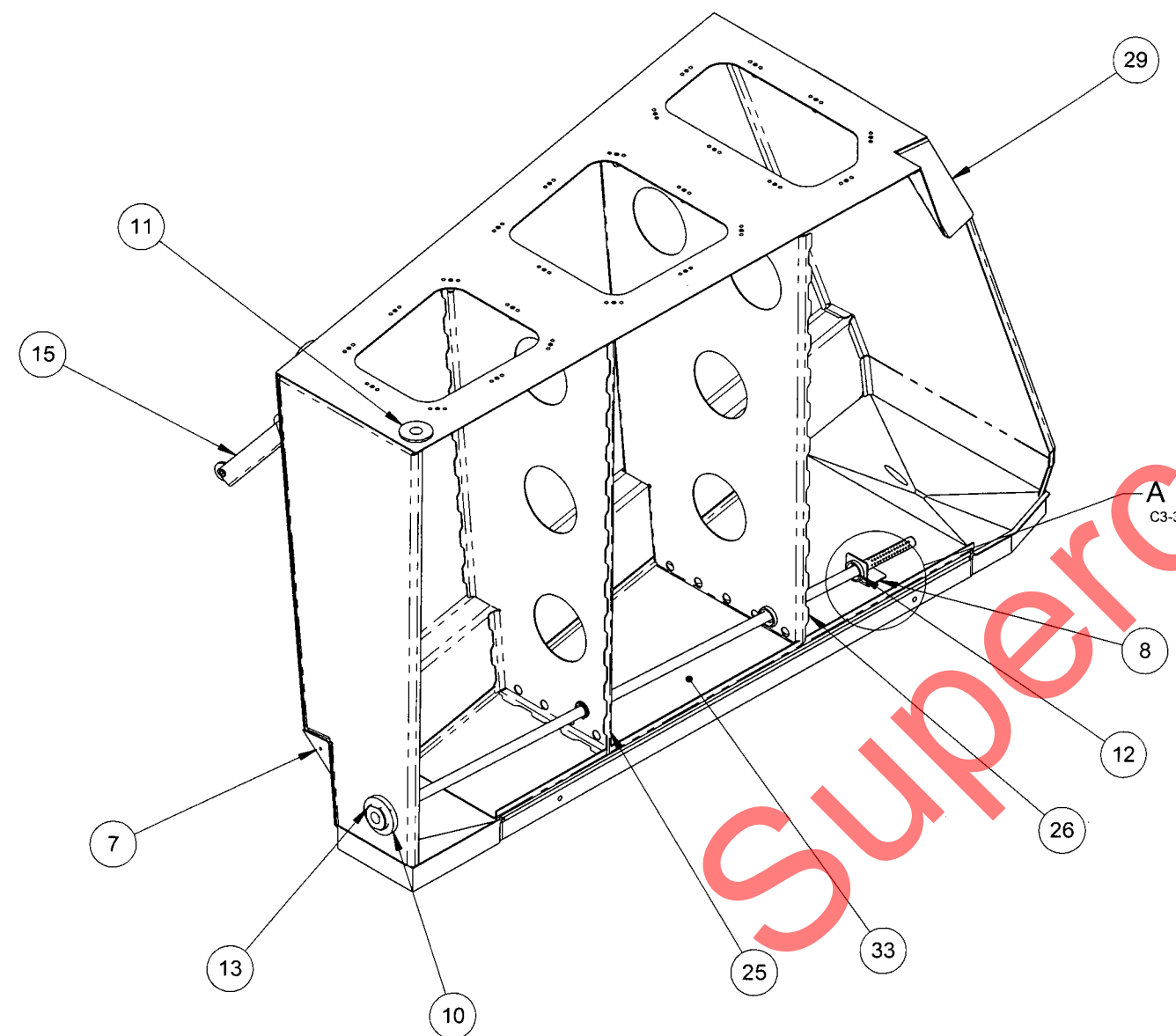


- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: TOUCH UP CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT "ANSI 61 GREY" (4.3.5.15) PER DART QSI 005 4.3
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D350-794-141" USING D2729-1 RED DECAL
 - 7) WEIGHT: 35.81 lbs
 - 8) CAP ALL TANK ACCESS POINTS AND PRESSURE TEST TANK PER QSI 038 4.3. VERIFY NO LEAKS
 - 9) MASK PRIOR TO POWDER COAT
 - 10) INSTALL AFTER POWDER COAT
 - 11) LOCKWIRE BOLTS AFTER INSTALLATION PER AC 43.13 OR MS33540
 - 12) INSTALL CUSHIONS AFTER POWDER COAT USING CONTACT CEMENT. TRIM TO FIT IF REQUIRED
 - 13) INSTALL D4577-041/-3/-5 ACCESS PANELS WET WITH PROSEAL 890.

D4464-041 FUEL TANK ASSEMBLY

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CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. D
MFG. APPR.	<i>[Signature]</i>	D4464	SHEET 2 OF 5
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	TANK ASSEMBLY	NTS
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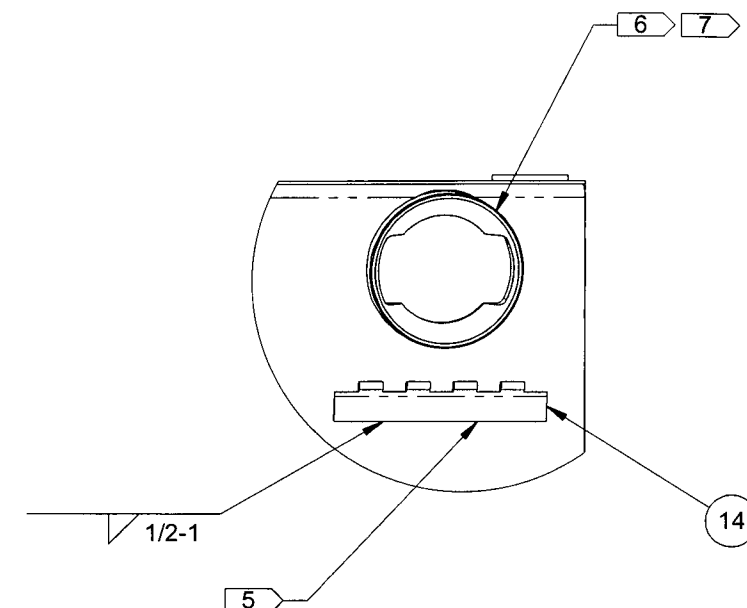
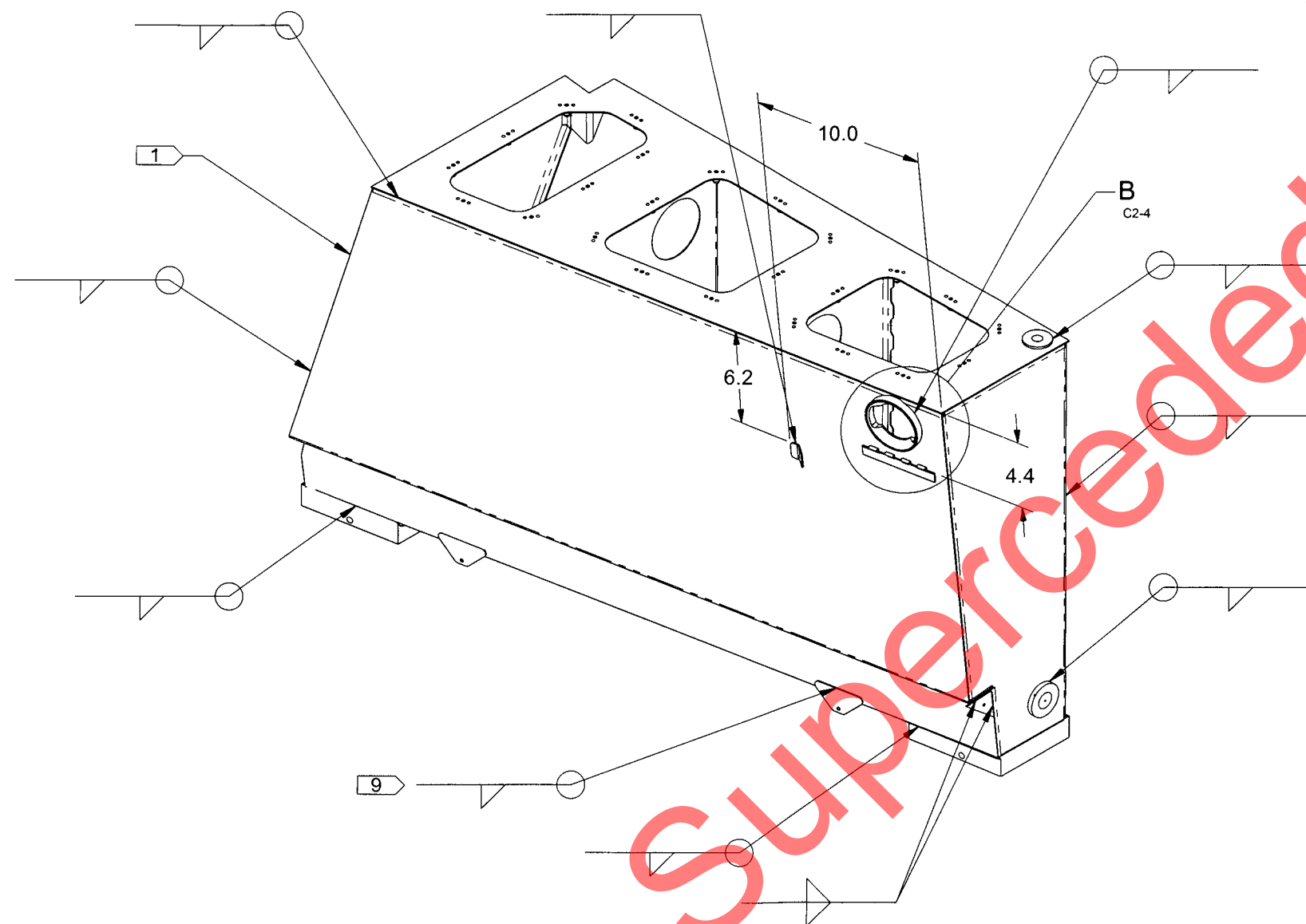


DETAIL A
ROTATED FOR CLARITY
SCALE 2X
 B6-3

D4464-041 FUEL TANK ASSEMBLY
D4463-9 TANK BACK REMOVED
TO SHOW INTERIOR DETAIL

RELEASED
 2012-05-09
[Signature]

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DRAWN	<i>[Signature]</i>		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. D
MFG. APPR.	<i>[Signature]</i>	D4464	SHEET 3 OF 5
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	TANK ASSEMBLY	NTS
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**DETAIL B
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SCALE 2X**

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2012-05-09

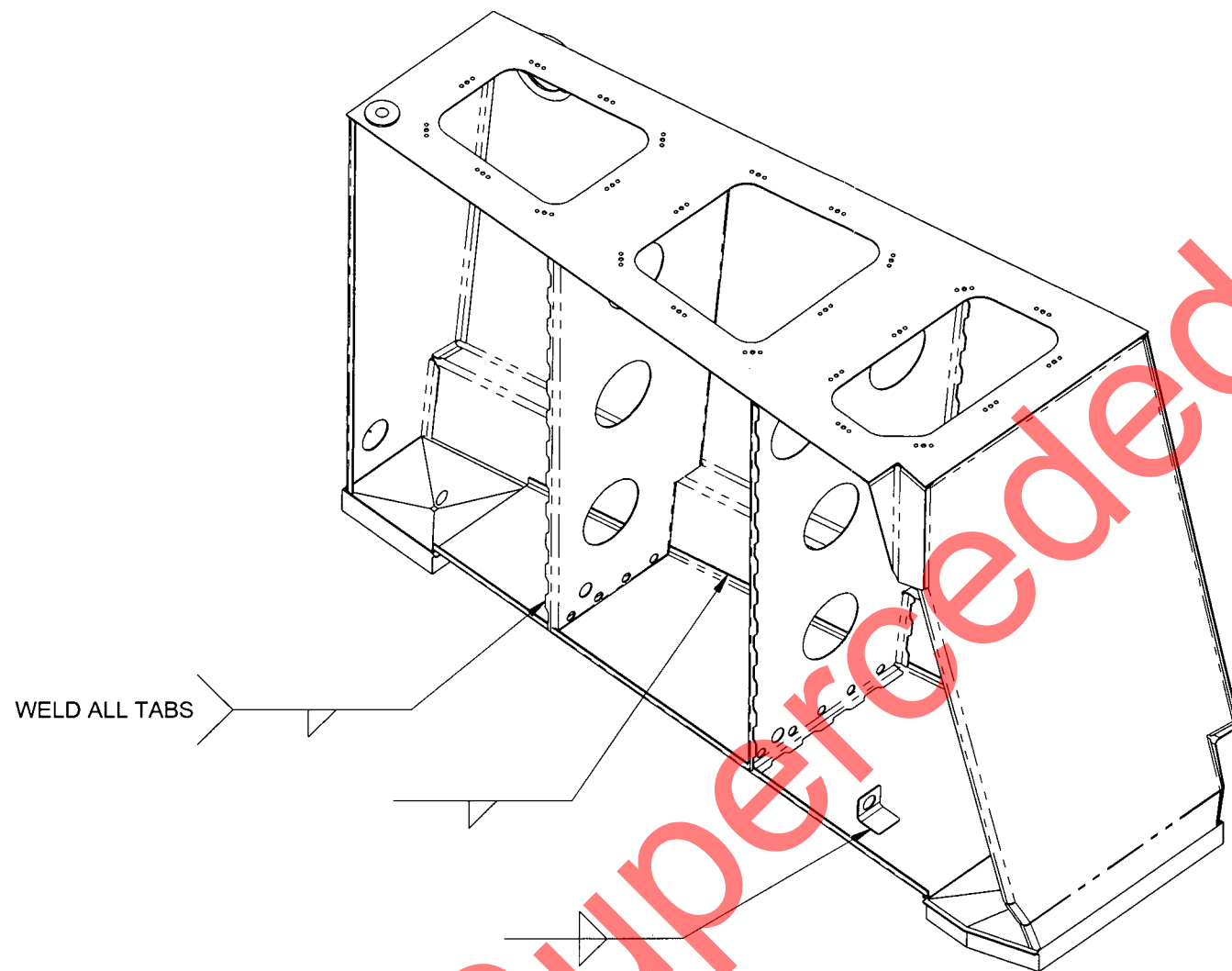
**D4464-041 FUEL TANK ASSEMBLY
WELDING DETAIL**

NOTES:

- 1) TRIM FLANGES AS REQUIRED TO FIT ASSEMBLY
- 2) FINAL CHECK BEFORE LAST PANEL INSTALLED
- END OF FUEL PICK UP TUBE IS 0.60 OFF THE TANK FLOOR AND 1.96 FROM SIDE WALL
- ALL SWarf REMOVED
- 3) ACCEPTABLE TO DRILL 6 (TYP) $\phi 0.312$ HOLES IN TANK TOP TO WELD TOP TO AFT BAFFLE (1 HOLE PER BAFFLE TAB)
- 4) ACCEPTABLE TO DRILL 7 (TYP) $\phi 0.312$ HOLES IN TANK TOP TO WELD TOP TO FWD BAFFLE (1 HOLE PER BAFFLE TAB)
- 5) CENTER HINGE BELOW FUEL CAP FLANGE
- 6) POSITION FUEL CAP FLANGE AS SHOWN, ELONGATED HOLE APPROXIMATELY HORIZONTAL
- 7) POSITION FUEL CAP FLANGE SO THAT INNER FACE IS FLUSH WITH INSIDE OF TANK
- 8) WELD PER DART QSI 004
- 9) USE THE D4062-041 TANK SUPPORT ASSEMBLY TO POSITION THE D4124-1 TABS BEFORE WELDING;
D4124-1 TABS MAY BE HAND FORMED AS REQUIRED TO FIT D4062-041 ASSEMBLY BEFORE WELDING.



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D4464-041 FUEL TANK ASSEMBLY
WELDING DETAIL

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2012-05-09
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DRAWN	<i>JC</i>		
CHECKED	<i>JE</i>	DRAWING NO.	REV. D
MFG. APPR.	<i>JE</i>	D4464	SHEET 5 OF 5
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